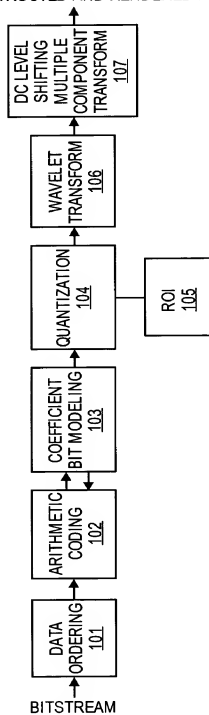


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RECONSTRUCTED AND RENDERED IMAGE

FIG. 1  
(PRIOR ART)

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SP 0	SP 4	C 8	C 12	C 16	C 20	C 24	C 28
R 1	SP 5	C 9	C 13	C 17	C 21	C 25	C 29
R 2	SP 6	SP 10	SP 14	SP 18	C 22	C 26	C 30
SP 3	SP 7	R 11	R 15	SP 19	C 23	C 27	C 31
C 32	SP 36	SP 40	SP 44	SP 48	C 52	C 56	C 60
C 33	C 37	C 41	C 45	C 49	C 53	C 57	C 61
C 34	C 38	C 42	C 46	C 50	C 54	C 58	C 62
C 25	C 39	C 43	C 47	C 51	C 55	C 59	C 63

FIG. 2A  
(PRIOR ART)

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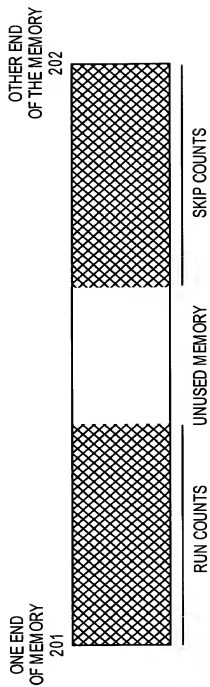


FIG. 2B

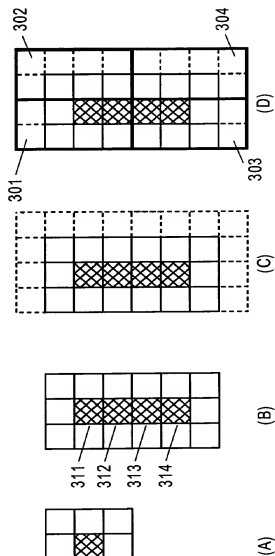


FIG. 3

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	0	1	2	3	4	5	6	7
0	A	B	A	B	A	B	A	B
1	C	D	C	D	C	D	C	D
2	A	B	A	B	A	B	A	B
3	C	D	C	D	C	D	C	D
0	A	B	A	B	A	B	A	B

FIG. 4

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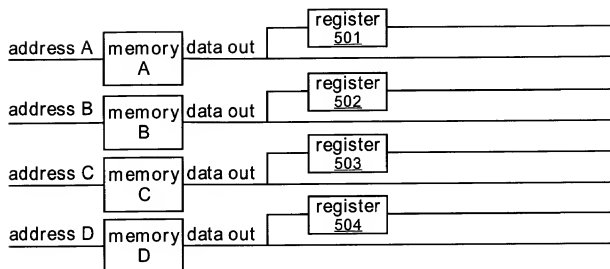


FIG. 5

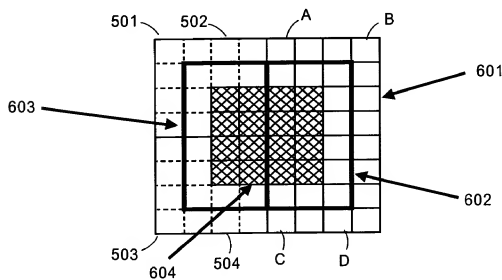


FIG. 6



FIG. 8

SP	C	SP	SP
SP	C	SP	R
SP	C	SP	R
SP	C	SP	SP

SP = significance propagation

C = cleanup

R = refinement

SP pass:  $10^{-2}$  for SP pass coefficients

### 6 for C and R pass coefficients

Cpass: 4\*2 for Cpass coefficients

R pass: 2 for R pass

total: 36 clocks = 2.25 clocks per coefficient

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	0	1	2	3
0	A	A	A	A
1	B	B	B	B
2	A	A	A	A
3	B	B	B	B
0	A	A	A	A

FIG. 9

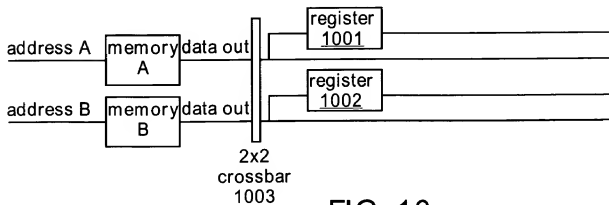


FIG. 10

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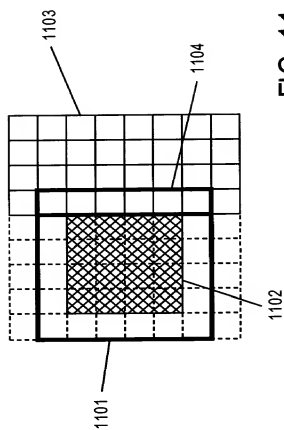


FIG. 11

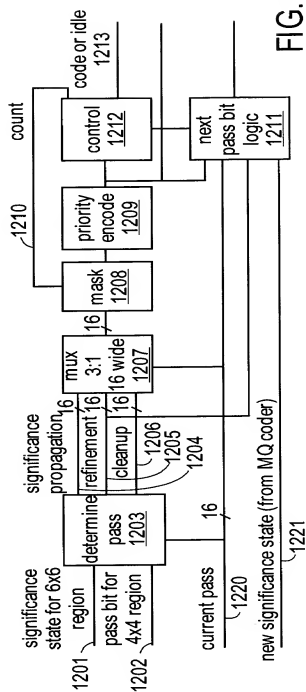


FIG. 12



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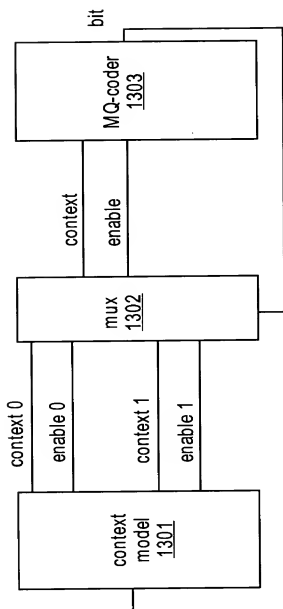


FIG. 13

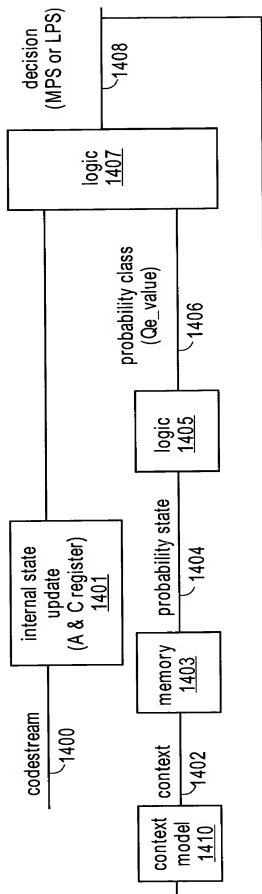


FIG. 14A

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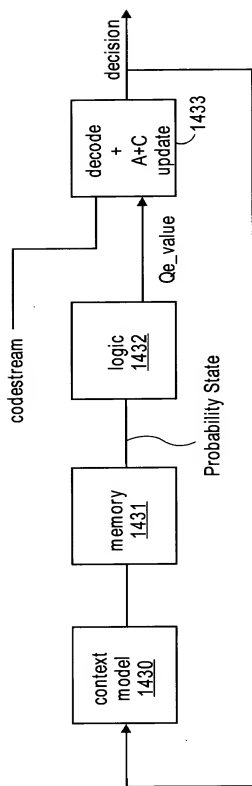


FIG. 14B

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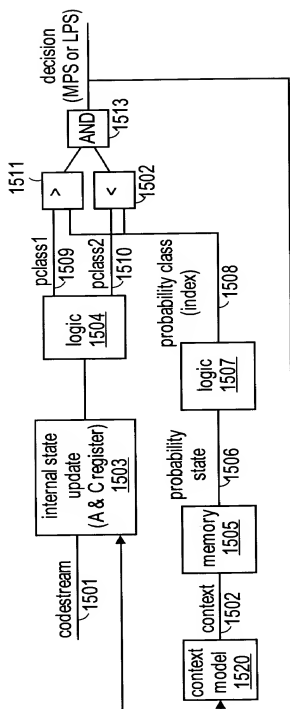


FIG. 15

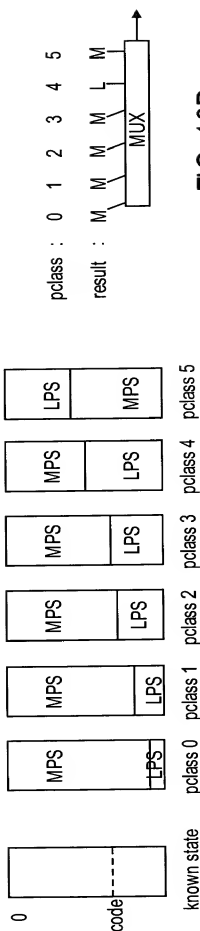


FIG. 16B

FIG. 16A

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5MPS
4 MPS
3 MPS
2 MPS
1 MPS
LPS

FIG. 17

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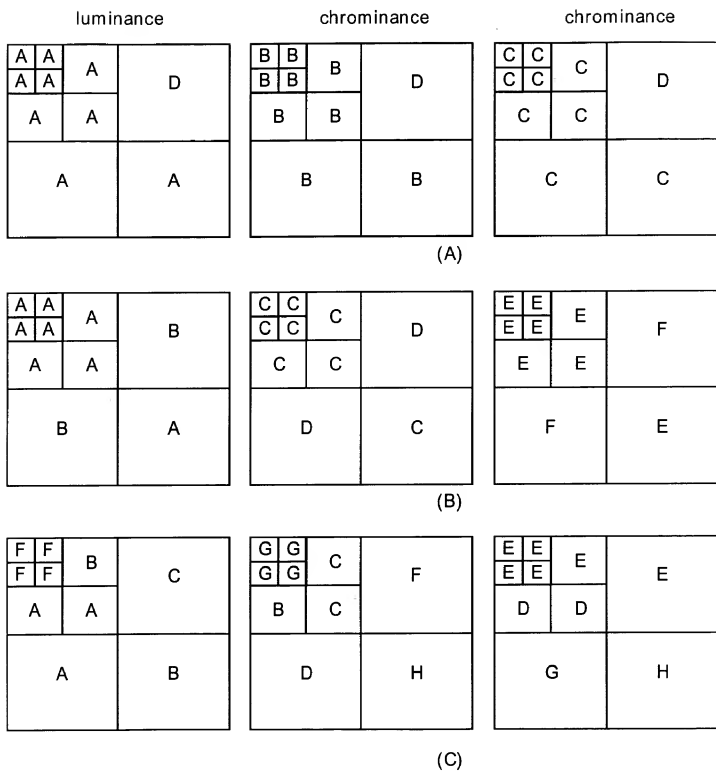


FIG. 18

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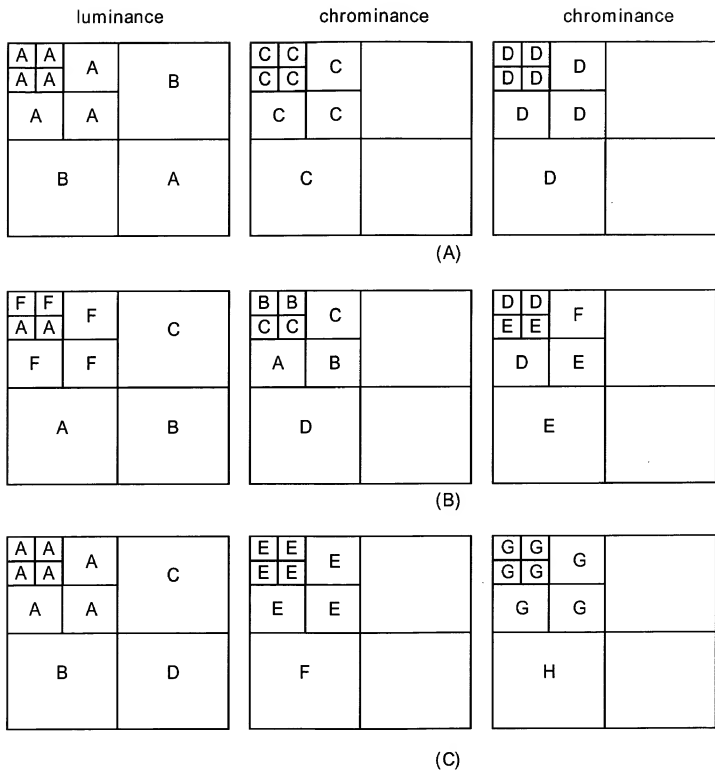


FIG. 19

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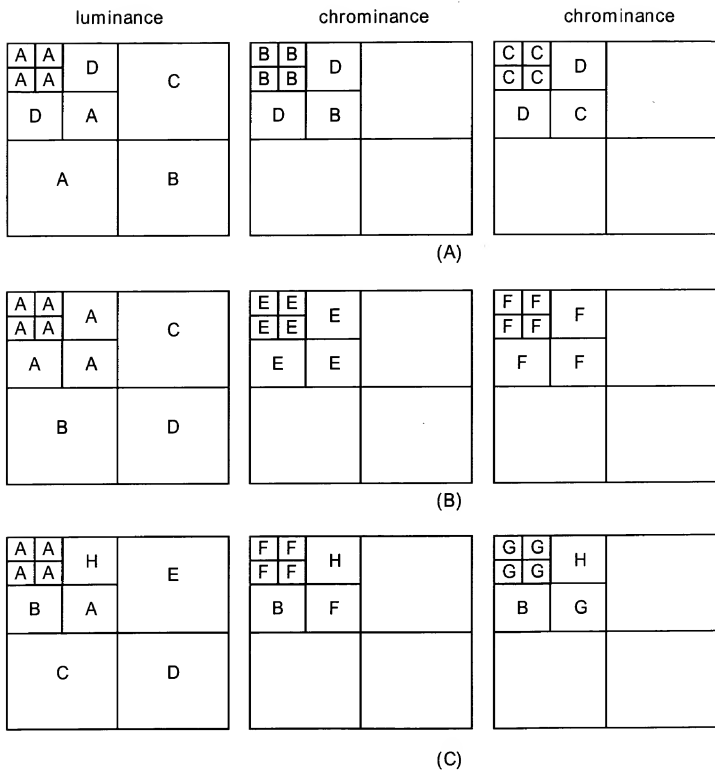


FIG. 20

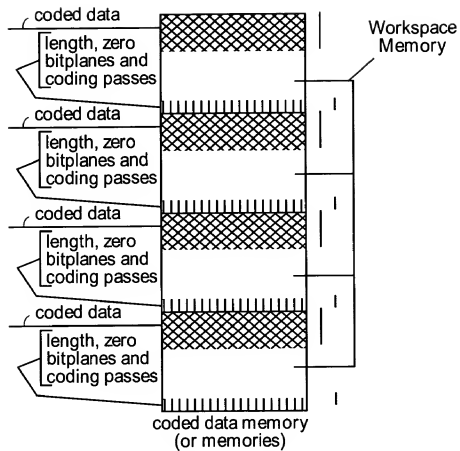
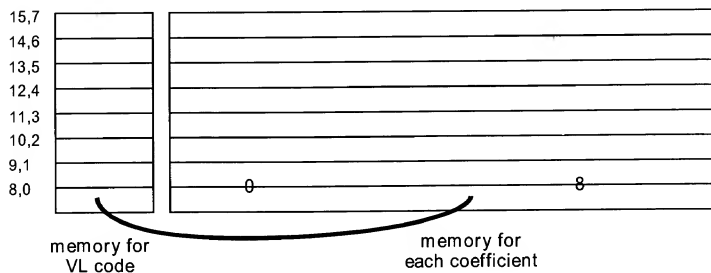
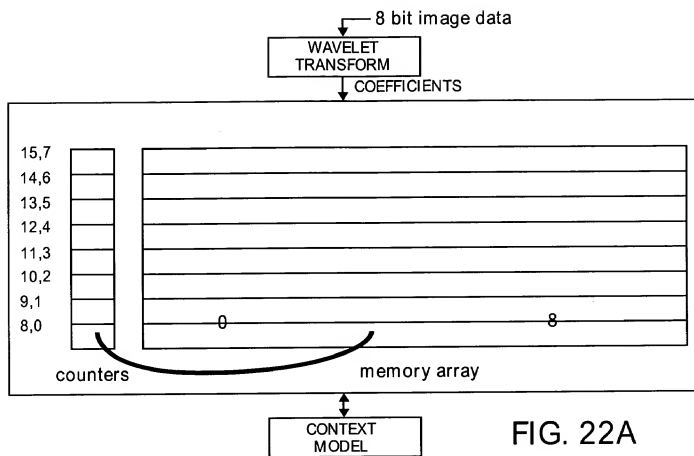


FIG. 21



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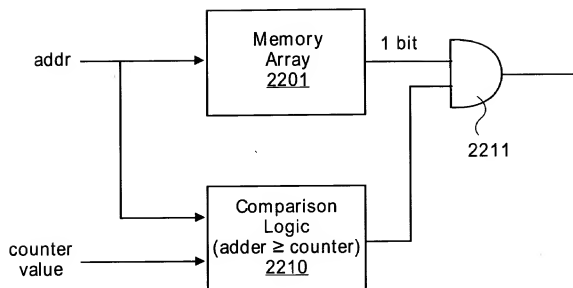


FIG. 22B

FIG. 24

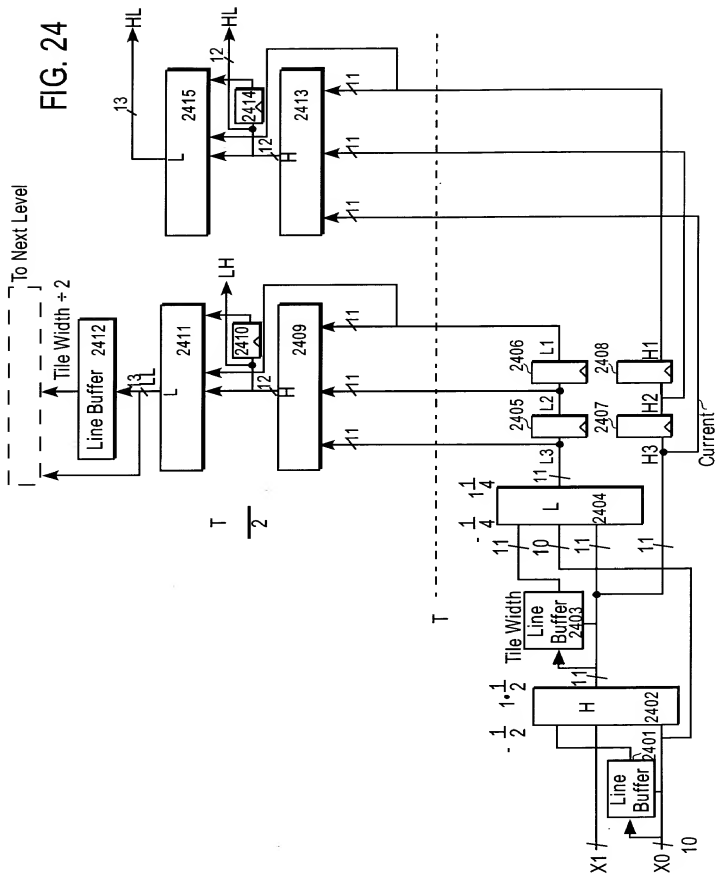


FIG. 25A

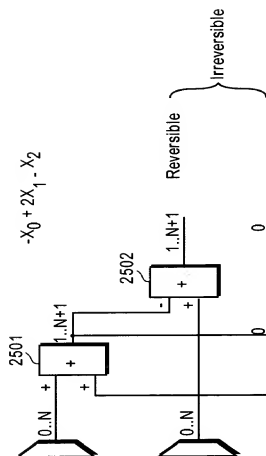
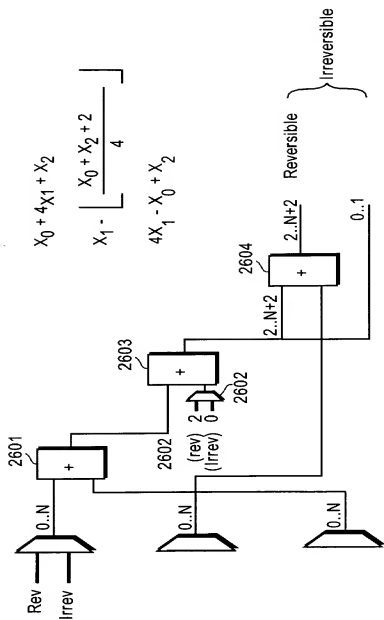
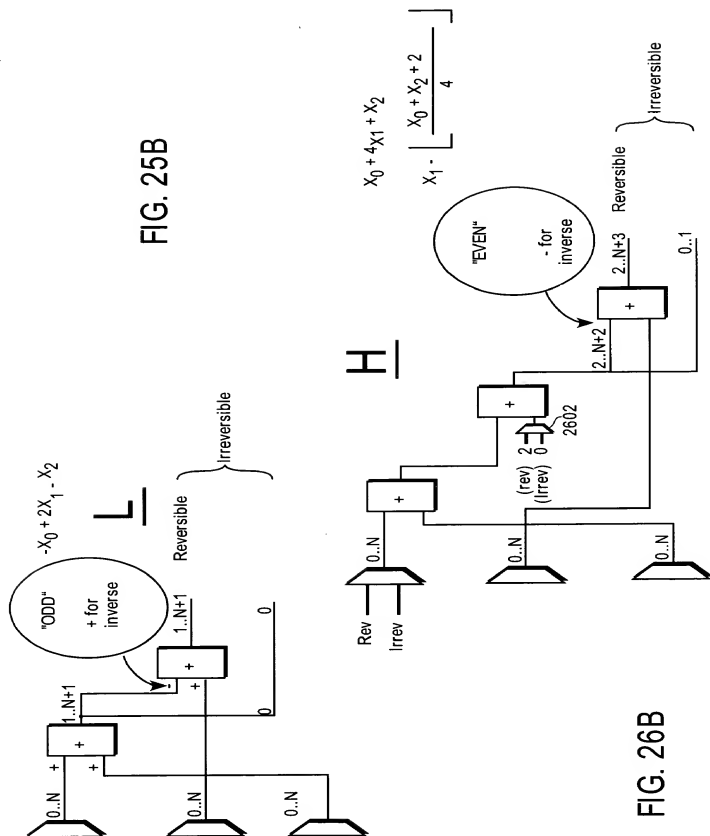


FIG. 26A



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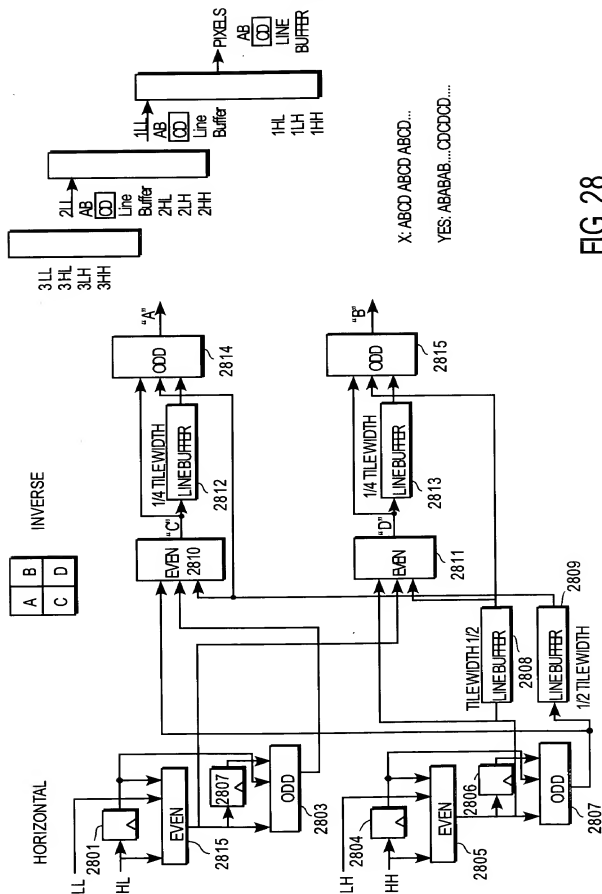


FIG. 28

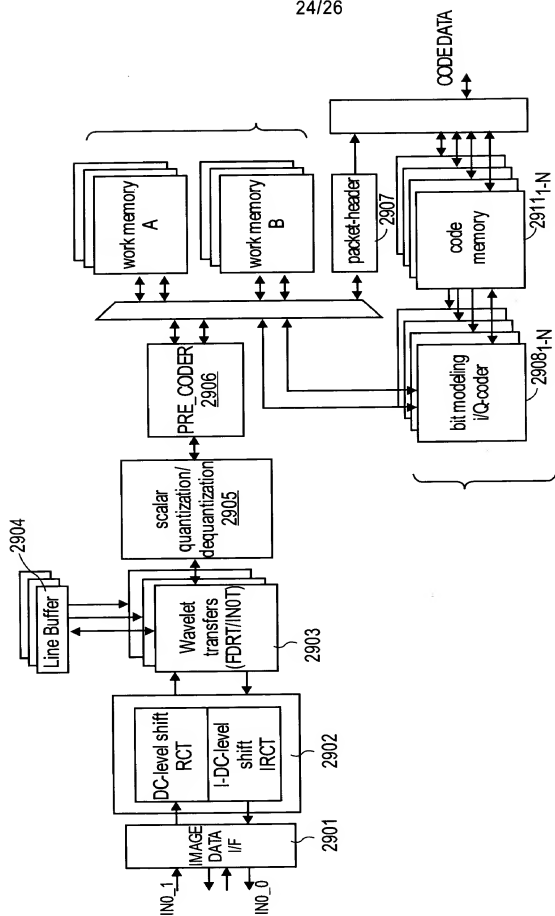


FIG. 29



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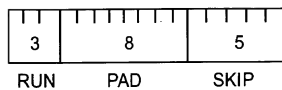


FIG. 30

8x8 region

	A	B	C				
	D	E	F				
	G	H	I				

FIG. 31

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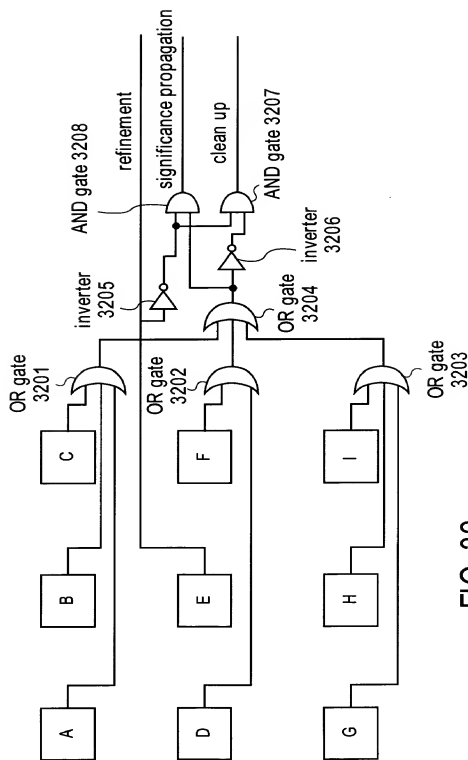


FIG. 32